BERGER PRODUCT SPECIFICATIONS

EPILUX 78

High Build Epoxy Anti-Corrosive Primer

PRODUCT DESCRIPTION

A two component, high build epoxy anti-corrosive primer pigmented with zinc phosphate.

DESIGN FEATURES

A high build epoxy anti-corrosive coating suitable for use as a blast primer for structural steelwork in mild to aggressive environments.
Excellent anti-corrosive performance.
Achieves up to 75 microns dry film thickness in a single coat application.
Good wetting properties and outstanding adhesion to blasted steel.
Good chemical and abrasion resistance.

PHYSICAL CHARACTERISTICS

Recommended Application Data	Wet [µm]	Dry [µm]	m²/l
Theoretical Coverage	125	75	8.0

Volume solids	60 % (based on ASTM D2697)
Dry Film Thickness Range	50 µm to 100 µm
Flash Point	25°C
Finish	Matt
Colour Range	Red Oxide
Standard Packing Size	5 litres set (4 litres Base : 1 litre Hardener) 20 litres set (16 litres Base : 4 litres Hardener)
Mix Ratio (by volume)	4 Base : 1 Hardener

APPLICATION METHOD

AIRLESS SPRAY Recommended method of application	Tip Size Pressure	: 0.38 – 0.53 mm (15 – 21 thou) : 110 –160 kg/cm² (1600 – 2300 psi)
CONVENTIONAL AIR SPRAY	May be used.	
BRUSH OR ROLLER	May be used. However, additional coats may be required to achieve the recommended film thickness. Suitable for stripe coating, weld-seams, edges, corners, rivets, etc.	

DRYING & CURING TIME

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Minimum	Maximum	
15 °C	3 hours	8 hours	8 hours	Indefinite*	10 hours
25 °C	2 hour	5 hours	5 hours	Indefinite*	6 hours
35 °C	1 hour	3 hours	3 hours	Indefinite*	4 hours

USEFUL INFORMATION

THINNER	:	SOLVALUX 7-45 or 7-33 (Maximum 10% Addition)
CLEANER	:	SOLVALUX 7-77
STORAGE	:	Store in a cool dry shaded area.
SHELF LIFE AT 25 ºC	:	12 months minimum when stored as prescribed in the MSDS.

SURFACE PREPARATION

The service life span and the service performance of EPILUX 78 are directly related to the degree of surface preparation.

STEEL

- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SP1. Where necessary removes weld spatter and round off all rough weld seams and sharp edges to a smooth surface.
- Abrasive blast clean to a minimum standard of Sa2½ (ISO 8501-1:1988) or SSPC-SP10. An average surface profile of 50 microns is acceptable, but this average should not exceed 75 microns.
- Ensure that all surface defects detected after blast cleaning is ground, filled or treated in a suitable manner.
- After blasting, remove dust from the surface.
- Ensure that the surface to be coated is clean, dry and free from any contaminants.
- Apply Epilux 78 immediately after blasting to prevent oxidation and recontamination of the steel surface. In case of oxidation or recontamination, re-blast to the required standard.

To avoid condensation of moisture onto substrate prior to coating application, relative humidity should not exceed 85% and substrate temperature should be more than 3°C above Dew Point.

SUITABLE PRIMERS	Epilux 610, Epilux 68, Zincanode 300, Zincanode 330, Zincanode 668, Zincanode 685
SUITABLE OVERCOATS	Epilux 218, Epilux 58, Epilux 58HS, Epimastic 3000HS, Epimastic 3100, Epimastic 5100, Epilux 82, Epilux 15HS, Epilux 18HS, Steelshield 1200, Luxol 5000, Epilux 4, Luxathane 5075, Luaxthane 5150HS, Luxthane 5000HB, Epilux 155, Epilux 155SF, Epilux 518, Epilux 815, Epilux 816, Epilux 816SF

NOTES

- For details of other systems, consult your Berger Paints representative.
- Common to all epoxies this product will experience chalking on prolonged exposure to sunlight. However, this phenomenon is not detrimental to coating performance.
- Exposure to very low temperatures, high humidity or water ponding during and/or immediately after application may result in incomplete cure and/or discolouration that may compromise subsequent intercoat adhesion

SAFETY PRECAUTION

Avoid contact with eyes and skin.

Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use barrier cream.

Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapour or spray mist.

This product is flammable. Keep away from sources of ignition. Do not smoke.

Take precautionary measures against static discharge.

In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.

FIRST AID

Eyes : In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.

Skin : Wash skin thoroughly with soap and water or approved industrial cleaner. Do Not Use solvents or thinners.

Inhalation : Remove to fresh air, loosen collar and keep patient rested.

Ingestion : In case of accidental ingestion, DO NOT INDUCE VOMITING. Obtain immediate medical attention.

For further safety information, please refer to our **Material Safety Data Sheet (MSDS)**

DISCLAIMER